Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/09/2022 08:53 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125038	0	1.45	124918	1.47
Blue	F	SSC	125000	123451	-2	2.98	123982	2.83
Blue	E	FITC	13602	13269	-3	2.39	372	13.63
Blue	D	PE	24891	24624	-2	1.80	585	10.13
Blue	B	PerCP-Cy5-5	33972	33019	-3	3.07	943	15.05
Blue	A	PE-Cy7	22865	22848	-1	5.04	474	31.26
Red	C	APC	47198	46910	-1	2.59	1621	11.48
Red	A	APC-Cy7	26454	25444	-4	3.08	717	11.98
Violet	B	V450	6737	6499	-4	3.57	455	11.40
Violet	A	V500	29317	28176	-4	3.12	968	8.38

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24234	2.51	540	5	N/A	N/A	Pass
Blue	F	SSC	55439	2.17	520	-1	N/A	N/A	Pass
Blue	E	FITC	55	57.02	489	5	0.0441	218	Pass
Blue	D	PE	114	38.92	492	6	0.5073	418	Pass
Blue	B	PerCP-Cy5-5	148	41.34	584	5	0.0193	56	Pass
Blue	A	PE-Cy7	78	80.87	628	7	0.0212	0	Pass
Red	C	APC	339	25.33	572	0	0.0275	127	Pass
Red	A	APC-Cy7	134	34.73	548	-3	0.0070	1630	Pass
Violet	B	V450	76	46.60	445	-5	0.0536	2025	Pass
Violet	A	V500	113	28.51	464	-5	0.0234	343	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.09	-31.68	1.09
Blue	20.36	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.43
Red	15.91	13.90 - 20.86	N/A	N/A	29.98	30.32	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 11490

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments